

THE OCCURRENCE OF *CERASTIUM PUMILUM* (CARYOPHYLLACEAE) IN OKLAHOMA

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ABSTRACT

Cerastium pumilum (Caryophyllaceae) was recently reported for Oklahoma without documentation. This paper documents the occurrence of *Cerastium pumilum* W. Curtis in Oklahoma. The first collection from Oklahoma was made in 1981 from Hughes County but no additional collections were made until 2003. Since that time, *C. pumilum* has been documented in eight additional counties. Thus, *C. pumilum* is currently known from a total of 11 Oklahoma counties.

RESUMEN

Cerastium pumilum (Caryophyllaceae) se citó recientemente de Oklahoma sin documentación. Este artículo documenta la presencia de *Cerastium pumilum* W. Curtis en Oklahoma. La primera colección de Oklahoma se hizo en 1981 en Hughes County pero no se hicieron colecciones adicionales hasta 2003. Desde entonces, *C. pumilum* se ha documentado en otros ocho condados. Así pues, *C. pumilum* se conoce actualmente de un total de 11 condados de Oklahoma.

Cerastium pumilum W. Curtis (Caryophyllaceae) is an annual plant species native to Europe and southwest Asia (Diggs et al. 1999). It has been reported from the adjacent states of Arkansas, Kansas, Missouri, and Texas, but not Colorado (USDA-NRCS 2005). Morton (2005) mapped *C. pumilum* in Oklahoma but did not provide voucher documentation. The Oklahoma distribution record in Morton (2005) is based on a 1981 collection by Steve Stephens.

Voucher collection: **OKLAHOMA. Hughes Co.:** 3.5 mi W of Calvin, roadside shoulder, red sandy soils, few plants, 7 Apr 1981, Steve Stephens 90325 (KANU).

However, *C. pumilum* is not listed in Taylor and Taylor (1994) and a search of Hoagland et al. (2005) revealed that no collections had been deposited in Oklahoma herbaria prior to 2003, when the authors collected it from three counties. Since then, it was collected from five additional counties in 2004 and three in 2005. All specimens reported below are deposited in the Robert Bebb Herbarium at the University of Oklahoma (OKL), with the exception of Caddell and Rice

(GMC 1039) which is deposited at the University of Central Oklahoma (CSU). Since these specimens represent locales covering a broad geographic extent, additional county records are no doubt forthcoming.

Additional voucher specimens: **OKLAHOMA. Beckham Co.:** 1.1 mi E of I-40 from jet. with Hwy 34, T11N, R22W, sec 35, disturbed area, 3 Apr 2003, *Buthod and Hoagland*, AB3649. **Cleveland Co.:** Norman, T9N R2W sec 32, disturbed area, 7 May 2005, *Amy Buthod*, AB6762. **Kay Co.:** Blackwell city park, T27N, R1W, sec 23, disturbed area, 29 May 2003, *Buthod, Hoagland, and Fagin*, AB3822. **Lincoln Co.:** Turner Turnpike (I-44) at exit 171, T15N, R5E, sec 32, disturbed grassland, 6 May 2004, *Buthod and Hoagland*, AB6155. **Major Co.:** ca. 3 mi W of Bouse Junction on Hwy 412, T22N, R16W, sec 6, grazed pasture, 22 Apr 2004, *Buthod and Shannon*, AB4563. **Oklahoma Co.:** Forest Park in Oklahoma City, T12N, R3W, sec 13, disturbed grassland, 27 Apr 2004, *Buthod, Hoagland, and Fagin*, AB4609. **Oklahoma Co.:** Lake Arcadia, T14N, R2W, sec 34, disturbed area, 3 Mar 2005, *Amy Buthod and Lacy Brookshire*, AB6251. **Ottawa Co.:** Approximately 7.2 mi NE of Grove, T26N, R23E, sec 33, disturbed area, 22 Apr 2004, *Buthod, Hoagland, and Brookshire*, AB4544. **Pawnee Co.:** 5 mi W of Cleveland on Hwy 64, T21N, R7E, sec 15, disturbed area, 1 Apr 2004, *Buthod and Hoagland*, AB4521. **Stephens Co.:** 1.6 mi SW of Bray at Clear Lake, T2N, R6W, sec 29, disturbed area, 13 Mar 2003, *Hoagland and Buthod*, AB3421. **Woodward Co.:** Alabaster Caverns State Park, T26N, R18W, sec 28, disturbed area along roadside near Canyon Campground, 7 May 2005, *Caddell and Rice*, GMC 1039.

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